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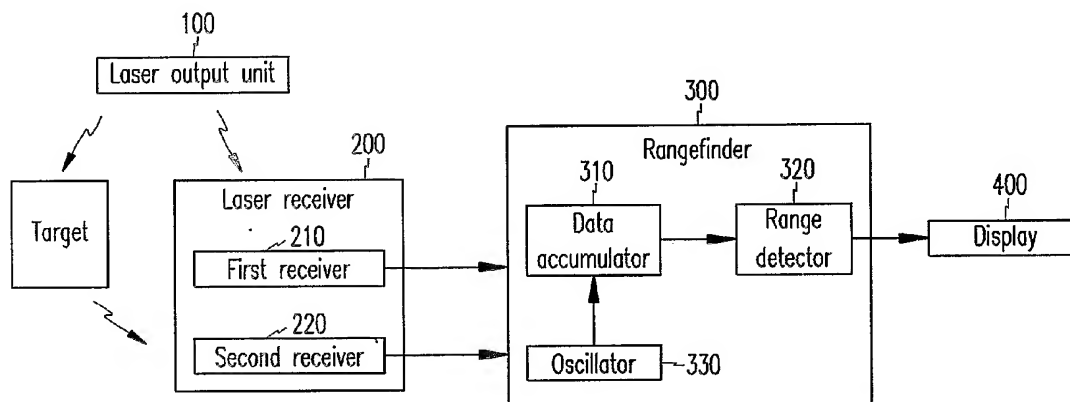
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(54) Title: LASER RANGEFINDER AND METHOD THEREOF



(57) Abstract: Disclosed is a laser rangefinder and method thereof. By using characteristics that noise has non-correlation and signals have correlation, laser beams are output to a target to find a range to the target with iteration rates of thousands of times per second, signals for each range-finding are binary-quantized using a sampling frequency corresponding to a range-finding resolving power, and data are accumulated. After this, the accumulated data are processed in a statistical manner to detect a target signal and produce a target range based on the target signal. According to the present invention, the rangefinder for outputting low-power laser beams, using the laser beams reflected from the target, and detecting a range to the target, easily and accurately detects target signals in the noise.

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